Ms. Judy Witkemper
KYB Manufacturing NA, Inc.
2625 North Morton Street
Franklin, Indiana 46131

Re: **081-15857**
Notice-only change to
MSOP 081-12622-00015

Dear Ms. Witkemper:

KYB Manufacturing North America, Inc. was issued a permit on December 21, 2001for a stationary hard chrome electroplating plant used to manufacture piston rods for automotive struts. A letter notifying the Office of Air Quality of a change to the Line 3 unit description was received on April 15, 2002. Pursuant to the provisions of 326 IAC 2-6.1-6 the permit is hereby revised as follows:

(a) Unit Description of Section A:

The unit description of Condition A.2 of Section A shall be revised as follows to incorporate the new line P-3 unit description:

.... (h) One (1) hard chrome electroplating line (identified as P-3), ~~constructed in 2001~~, consisting of ~~three~~**six** (**6**~~3~~) rectifiers each having a maximum capacity of ~~15~~**6**,000 Amps, with emissions controlled using a composite mesh pad wet scrubber system. This electroplating line has a maximum throughput capacity of 1,000 piston rods per hour. Emissions are exhausted at stack H400-A.

(b) Section D.1 Unit Description:

The unit description of Section D.1 shall be revised as follows to incorporate the new line P-3 unit description:

Facility Description:
.....
(h) One (1) hard chrome electroplating line (identified as P-3), ~~constructed in 2001~~, consisting of ~~three~~**six** (**6**~~3~~) rectifiers each having a maximum capacity of ~~15~~**6**,000 Amps, with emissions controlled using a composite mesh pad wet scrubber system. This electroplating line has a maximum throughput capacity of 1,000 piston rods per hour. Emissions are exhausted at stack H400-A.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Scott Fulton, at (800) 451-6027, press 0 and ask for Scott Fulton or extension (3-5691), or dial (317) 233-5691.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
SDF
cc: File - Johnson County
U.S. EPA, Region V
Johnson County Health Department
Air Compliance Section Inspector - Vaughn Ison
Compliance Data Section - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner

NEW CONSTRUCTION PERMIT
AND MINOR SOURCE OPERATING PERMIT
OFFICE OF AIR QUALITY

KYB Manufacturing North America, Inc.
2625 North Morton
Franklin, Indiana 46131

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 081-12622-00015	Date Issued: December 21, 2001

1st Notice-Only Change No.: 081-15647-00015	Date Issued: March 21, 2002

2st Notice-Only Change No.: 081-15857-00015	Affected Pages: 6, 16

Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date:

…. (11) Strut Line FA6 Washer Heater (identified as FA6-N210-G) having a maximum heat input capacity of 0.80 MMBtu/hour, exhausting at stack N210-G; and

(g) One (1) natural gas-fired burn-off oven (identified as BO-OV) having a maximum heat input capacity of 0.80 MMBtu/hour, with emissions controlled using an afterburner, exhausting at stack BO-OV.

(h) One (1) hard chrome electroplating line (identified as P-3), constructed in 2001, consisting of six (6) rectifiers each having a maximum capacity of 6,000 Amps, with emissions controlled using a composite mesh pad wet scrubber system. This electroplating line has a maximum throughput capacity of 1,000 piston rods per hour. Emissions are exhausted at stack H400-A.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description:

(a) One (1) hard chrome electroplating line (identified as P-1), constructed in 1997, consisting of six (6) rectifiers each having a maximum capacity of 6,000 Amps, with emissions controlled using a composite mesh pad wet scrubber. This electroplating line has a maximum throughput capacity of 550 piston rods per hour. Emissions are exhausted through stack H300-A.

(b) One (1) hard chrome electroplating line (identified as P-2), constructed in 1997, consisting of six (6) rectifiers each having a maximum capacity of 6,000 Amps, with emissions controlled using a composite mesh pad wet scrubber. This electroplating line has a maximum throughput capacity of 550 piston rods per hour. Emissions are exhausted through stack H200-A.

(h) One (1) hard chrome electroplating line (identified as P-3), consisting of six (6) rectifiers each having a maximum capacity of 6,000 Amps, with emissions controlled using a composite mesh pad wet scrubber system. This electroplating line has a maximum throughput capacity of 1,000 piston rods per hour. Emissions are exhausted at stack H400-A.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-6.1-5(1)

D.1.1 General Provisions Relating to HAPs [326 IAC 20-1-1][40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 63, Subpart N. The permittee shall comply with the requirements of this condition on and after the compliance date for the tanks.

D.1.2 Chromium Electroplating and Anodizing NESHAP [326 IAC 20-8-1] [40 CFR Part 63, Subpart N]

The provisions of 40 CFR 63, Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks, which are incorporated by reference as 326 IAC 20-8-1, apply to electorplating lines P-1, P-2, and P-3. A copy of this rule is attached. The permittee shall comply with the requirements of this condition on and after the compliance date for each tank.

D.1.3 Chromium Emissions Limitation [40 CFR 63.342(c)] [40 CFR 63.343(a)(1)&(2)] [326 IAC 20-8-1]

(a) The emission limitations in this condition apply during tank operation and during periods of startup and shutdown as these are routine occurrences for tanks subject to 326 IAC 20-8-1. The emission limitations do not apply during periods of malfunction.

(b) The hard chromium electroplating tanks on electroplating lines P-1 and P-2 are considered

large, existing hard chromium electroplating operation. During tank operation, the Permittee shall control chromium emissions discharged to the atmosphere from the tanks by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.015 mg/dscm [6.6×10^{-6} gr/dscf].

(c) The hard chromium electroplating tanks on electroplating line P-3 is considered a large, new hard chromium electroplating operation. During tank operation, the Permittee shall control chromium emissions discharged to the atmosphere from the tanks by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.015 mg/dscm [6.6×10^{-6} gr/dscf].

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Notice Only Change to a Minor Source Operating Permit (MSOP)

Source Background and Description

Source Name:	KYB Manufacturing North America, Inc.
Source Location:	2625 North Morton, Franklin, Indiana 46131
County:	Johnson
SIC Code:	3710
Operation Permit No.:	081-12622-00015
Operation Permit Issuance Date:	December 21, 2001
Notic Only Change No.:	081-15857-00015
Permit Reviewer:	SDF

The Office of Air Quality (OAQ) has reviewed an application from KYB Manufacturing North America, Inc. relating to the operation of existing hard chrome electroplating line P-3.

Request

On April 5, 2002, KYB Manufacturing North America, Inc. submitted an application to change the unit description of existing hard chrome electroplating line P-3.

After the existing MSOP was issued and prior to construction of line P-3, KYB Manufacturing changed the design of line P-3 from a hard chrome electroplating line consisting of 3 rectifiers, each having a maximum capacity of 15,000 amps to a hard chrome electroplating line consisting of 6 rectifiers, each having a maximum capacity of 6,000 amps.

The proposed design change results in a decrease in maximum capacity from 45,000 amps to 36,000 amps. This decrease in amperage will result in a decrease in process unrestricted potential emissions (UPTE) from 5.89 tons chromium/yr and 12.27 tons PM/PM10/yr, respectively, to 5.44 tons chromium/yr and 11.33 tons PM/PM10/yr, respectively.

The emissions after controls will decrease from 0.00059 tons chromium/yr and 0.00123 tons PM/PM10/yr, respectively, to 0.00054 tons chromium/yr and 0.00113 tons PM/PM10/yr.

In addition, the proposed design change to line P-3 will not affect the production of any other emission generating units at the source, result in any changes to the existing source requirements, or trigger any new applicable requirements.

Thus, the proposed changes shall consist consist solely of revising the unit descriptions of Sections A and D, with the proposed changes being incorporated into the existing source MSOP via a notice only change pursuant to 326 IAC 2-6.1-6(d)(2) which states minor administrative changes such as changes in descriptive information concerning the source or emissions unit or units, may be incorporated into an existing MSOP via a notice only change.

Existing Approvals

The source was issued MSOP 081-12622-00015 on December 21, 2001. The source has been operating under this permit, and First Notice Only Change (081-15647-00015), issued on March 21, 2002.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Notice Only Change be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application.

Emission Calculations

The change in design will result in a decrease in the Line P-3 UPTE and emissions after controls. The following calculations determine the chrome plating line UPTE based on the new design of line 3.

UPTE tons/yr = rectifier capacity (A-hr/yr) * Ef (gr/A-hr) * 1/7000 lb/gr * 1/2000 ton/lb
Emissions After Controls (tons/yr) = Emissions Before Controls (tons/yr) * (1 - 0.9999)

Line	Rectifier Capacity A-hr	gr Cr per amp-hr	PM = PM10 gr PM(PM10) per amp-hr	Cr UPTE tons/yr	PM(PM10) UPTE tons/yr	Cr Emissions After Controls tons/yr	PM(PM10) Emissions After Controls tons/yr	Controls
1	211,680,000	0.12	0.25	1.81	3.78	0.000181	0.000378	Pad Scrubber 99.99%
2	211,680,000	0.12	0.25	1.81	3.78	0.000181	0.000378	Pad Scrubber 99.99%
3	211,680,000	0.12	0.25	1.81	3.78	0.000181	0.000378	Bed Scrubber 99.99%
			Total	5.44	12.27	0.00054	0.00113	

All other UPTE from the source are the same after the proposed changes as before the proposed changes.

Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA."

This table reflects the PTE before controls due to the modification based on the above estimated emissions calculations. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	0.94
PM-10	0.94
SO_2	-
VOC	-
CO	-
NO_x	-

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

Pollutant	Potential To Emit (tons/year)
Chromium	0.45

The proposed changes to the line P-3 unit description shall be incorporated into the existing source MSOP via a notice only change pursuant to 326 IAC 2-6.1-6(d)(2) which states minor administrative changes such as changes in descriptive information concerning the source or emissions unit or units may be incorporated into an existing MSOP via a notice only change.

County Attainment Status

The source is located in Johnson County.

Pollutant	Status
PM_{10}	attainment or unclassifiable
SO_2	attainment or unclassifiable
NO_2	attainment or unclassifiable
Ozone	attainment or unclassifiable
CO	attainment or unclassifiable
Lead	attainment or unclassifiable

(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Johnson County has been designated as attainment or unclassifiable for ozone. Therefore, the

VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration, 326 IAC 2-2 and 40 CFR 52.21.

(b) Johnson County has been classified as attainment or unclassifiable for all criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.

Source Status

Existing Source PSD Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Unit	PM (tons/yr)	PM10 (tons/yr)	SO2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	Comb. HAPs (tons/yr)
Existing Source	1.08	1.08	0.10	16.70	10.60	13.70	9.89

PSD Major Source Levels	250	250	250	250	250	250	-
Part 70 Major Source Levels	-	100	100	100	100	100	10/25

(a) This existing source is not a major PSD stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more and it is not one of the 28 listed source categories.

(b) This existing source is not a Title V major stationary source because no criteria pollutant potential to emit (PTE) exceeds the applicable level of 100 tons/yr, no single hazardous air pollutant PTE exceeds the applicable levels of 10 tons/yr, and the combined hazardous air pollutant PTE does not exceed the applicable level of 25 tons/yr.

Source Status After the Modification

Unit	PM (tons/yr)	PM10 (tons/yr)	SO2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	Comb. HAPs (tons/yr)
Source After the Modification	1.08	1.08	0.10	16.70	10.60	13.70	9.89

PSD Major Source Levels	250	250	250	250	250	250	-
Part 70 Major Source Levels	-	100	100	100	100	100	10/25

(a) This source after the modification is not a major PSD stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more and it is not one of the 28 listed source categories.

(b) This source after the modification is not a Title V major stationary source because no criteria pollutant potential to emit (PTE) exceeds the applicable level of 100 tons/yr, no single hazardous air pollutant PTE exceeds the applicable levels of 10 tons/yr, and the combined hazardous air pollutant PTE does not exceed the applicable level of 25 tons/yr.

Federal Rule Applicability

40 CFR 60, Subpart Dc:

The Space Heating Boilers No.1 and No.2 are still not subject to the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (326 IAC 12) because they were constructed prior to June 9, 1989.

Process boilers for E-Coat 1 and E-Coat 2 are still not subject to the requirements of 40 CFR 60, Subpart Dc, because they each still have maximum heat input capacities less than 10 MMBtu per hour.

40 CFR 63, Subpart N:

The chrome electroplating lines P-1, P-2, and P-3 are still subject to the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63, Subpart N - National Emissions Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks.

The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63 Subpart N.

The chromium electroplating operations are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 326 IAC 14, (40 CFR 63, Subpart N, and 326 IAC 20-1-1). Pursuant to 40 CFR 63, Subpart N, and 326 IAC 20-1-1, the chromium electroplating operations are subject to the following conditions:

Emission Limitations:

The hard chromium electroplating tanks on electroplating lines P-1 and P-2 are considered large, existing hard chromium electroplating operation. During tank operation, the Permittee shall control

chromium emissions discharged to the atmosphere from the tanks by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.015 mg/dscm [$6.6x10^{-6}$ gr/dscf].

The hard chromium electroplating tanks on electroplating line P-3 is still considered a large, new hard chromium electroplating operation. During tank operation, the Permittee shall control chromium emissions discharged to the atmosphere from the tanks by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.015 mg/dscm [$6.6x10^{-6}$ gr/dscf].

The emission limitations in this condition apply during tank operation and during periods of startup and shutdown as these are routine occurrences for tanks subject to 326 IAC 20-8-1. The emission limitations do not apply during periods of malfunction.

Compliance Monitoring Requirements:

Pursuant to 40 CFR 63.343(c)(1)(ii), when using a composite mesh-pad system to comply with the limits specified above, the Permittee shall monitor and record the pressure drop across the composite mesh-pad systems during tank operation once each day that the hard chromium electroplating tanks in electroplating lines P-1, P-2, and P-3 are operating. To be in compliance with the standards, the composite mesh-pad system shall be operated within ±1 inch of water column of the pressure drop value established during the initial performance test, or within the range of compliant values for pressure drop established during multiple performance tests.

Reporting Requirements:

A summary report shall be prepared to document the ongoing compliance status of the chromium electroplating operation. This report shall be completed annually, retained on site, and made available to IDEM upon request. If there are significant exceedance of chromium air emission limits (as defined in 40 CFR Part 63.347(h)(2)), then semiannual reports shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Branch, Office of Air Quality
Chromium Electroplating
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206

Record Keeping and Reporting:

The chromium electroplating operations shall be subject to the record keeping and reporting requirement as indicated in the chromium electroplating NESHAP.

No other federal rules become applicable as a result of the proposed changes.

State Rule Applicability - Entire Source

326 IAC 2-6 (Emission Reporting)

This source is still located in Johnson County and the PM-10, CO, VOC, NOx, and SO_2 PTE is still less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 still does not apply.

326 IAC 5-1 (Visible Emissions Limitations)

326 IAC 5 still applies. Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

State Rule Applicability - Surface Coating Operations

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of the new chrome electroplating line (identified as P-3) will still emit less than 10 tons per year of a single HAP or 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 still does not apply.

326 IAC 8-1-6 (New Facilities - General Reduction Requirement)

The new chrome electroplating line (identified as P-3) still does not have potential VOC emissions equal to or greater than twenty five (25) tons per year, therefore this source is still not subject to the provisions of 326 IAC 8-1-6.

326 IAC 6-3-2 (Process Operations)

326 IAC 6-3-2 still applies. The particulate matter (PM) from the spray painting operations (identified as FA-1, FA-2, FA-3, and FA-4) shall be limited by the following:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$

where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

The dry filters shall be in operation at all times the spray painting operations are in operation, in order to comply with this limit.

326 IAC 8-2-9 (Miscellaneous Metal Coating)

326 IAC 8-2-9 still applies. Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coating delivered to the applicator at the dip coating lines (identified as E-Coat 1 and E-Coat 2) and the spray painting operations (identified as FA-1, FA-2, FA-3, and FA-4) shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for forced warm air dried coatings.

Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

Based on the MSDS submitted by the source and calculations made, the dip coating lines and spray painting operations are in compliance with this requirement.

These emission units are subject to 326 IAC 8-2-9 because the potential to emit VOC is greater than 15 pounds per day.

326 IAC 2-7 (Hazardous Air Pollutants (HAPs))

The potential to emit hazardous air pollutants (HAPs) from the spray painting booths and dip coating lines is still less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year for any combination of HAPs. Thus, any changes to the spray painting or dip coating operations that would increase the potential to emit any single HAP to greater than ten (10) tons per year or any combination of HAPs to greater than twenty-five (25) tons per year for the entire source shall require prior approval from IDEM, OAQ.

State Rule Applicability - Burn-off Oven

326 IAC 4-2 (Incinerators)

326 IAC 4 still applies. Pursuant to 326 IAC 4-2, the pyrolysis cleaning furnace shall:

(a) Consist of primary and secondary chambers or the equivalent;

(b) Be equipped with a primary burner unless burning wood products;

(c) Comply with 326 IAC 5-1 and 326 IAC 2;

(d) Be maintained properly as specified by the manufacturer and approved by the commissioner;

(e) Be operated according to the manufacturer's recommendations and only burn waste approved by

the commissioner;

(f) Comply with other state and/or local rules or ordinances regarding installation and operation of incinerators;

(g) Be operated so that emissions of hazardous material including but not limited to viable pathogenic bacteria, dangerous chemicals or gases, or noxious odors are prevented;

(h) Not emit particulate matter in excess of five-tenths (0.5) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas at standard condition corrected to fifty percent (50%) excess air; and

(i) Not create a nuisance or fire hazard.

If any of the above result, the burning shall be terminated immediately.

State Rule Applicability - Boilers

326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating)

326 IAC 6-2-4 still applies to these units. Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from the E-Coat 1 Process Boilers #1 and #2 shall be limited to 0.48 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where Pt = Pounds of particulate matter emitted per million Btu (lb/MMBtu) of heat input
Q = Total source maximum operating capacity rating in MMBtu per hour heat input (24.3 MMBtu/hr Maximum Combined heat input capacity for the E-Coat 1 process boilers and space heating boilers #1 and #2).

326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating)

326 IAC 6-2-4 still applies to these units. Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from the Space Heating Boilers #1 and #2 shall be limited to 0.49 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where Pt = Pounds of particulate matter emitted per million Btu (lb/MMBtu) of heat input
Q = Total source maximum operating capacity rating in MMBtu per hour heat input (20.92 MMBtu/hr Maximum Combined heat input capacity for the two Space Heating Boilers

#1 and #2).

326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating)

326 IAC 6-2-4 still applies to this unit. Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from the E-Coat 2 Process Boiler shall be limited to 0.46 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where Pt = Pounds of particulate matter emitted per million Btu (lb/MMBtu) of heat input
Q = Total source maximum operating capacity rating in MMBtu per hour heat input (27.8 MMBtu/hr Maximum Combined heat input capacity for the E-Coat 2 process boilers, the two E-Coat process boilers, and the two space heating boilers).

Changes to Permit

The only changes to the permit that are necessary are revisions to the line P-3 line descriptions found in Sections A and D.

(a) Unit Description of Section A:

The unit description of Condition A.2 of Section A shall be revised as follows to incorporate the new line P-3 unit description:

.... (h) One (1) hard chrome electroplating line (identified as P-3), ~~constructed in 2001~~, consisting of ~~three~~**six** (**6**~~3~~) rectifiers each having a maximum capacity of ~~15~~**6**,000 Amps, with emissions controlled using a composite mesh pad wet scrubber system. This electroplating line has a maximum throughput capacity of 1,000 piston rods per hour. Emissions are exhausted at stack H400-A.

(b) Section D.1 Unit Description:

The unit description of Section D.1 shall be revised as follows to incorporate the new line P-3 unit description:

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description:

(a) One (1) hard chrome electroplating line (identified as P-1), constructed in 1997, consisting of six (6) rectifiers each having a maximum capacity of 6,000 Amps, with emissions controlled using a composite mesh pad wet scrubber. This electroplating line has a maximum throughput capacity of 550 piston rods per hour. Emissions are exhausted through stack H300-A.

(b) One (1) hard chrome electroplating line (identified as P-2), constructed in 1997, consisting of six (6) rectifiers each having a maximum capacity of 6,000 Amps, with emissions controlled using a composite mesh pad wet scrubber. This electroplating line has a maximum throughput capacity of 550 piston rods per hour. Emissions are exhausted through stack H200-A.

(h) One (1) hard chrome electroplating line (identified as P-3), ~~constructed in 2001~~, consisting of ~~three~~**six** (**6**~~3~~) rectifiers each having a maximum capacity of ~~15~~**6**,000 Amps, with emissions controlled using a composite mesh pad wet scrubber system. This electroplating line has a maximum throughput capacity of 1,000 piston rods per hour. Emissions are exhausted at stack H400-A.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Conclusion

The proposed hard chrome electroplating line (P-3) shall be constructed and operated pursuant to the requirements of this notice only change and all other applicable conditions of the source Minor Source Operating Permit and all related approvals.